1		CLAIMS
2	What	is claimed is:
3		
1	1.	A method of reconstructing an original block of data, the data comprising at least one of
2	audio	data, video data, and a computer file, the method comprising:
3		accessing a plurality of data clips;
4		identifying matching sub-clips in two of the plurality of data clips;
5		aligning the two data clips at the matching sub-clips; and
6		appending the two aligned data clips and including a single instance of the matching sub-clip.
1	2.	The method of claim 1 wherein appending comprises:
2		concatenating the two aligned data clips; and
1 2 3 4 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1		omitting a second instance of the matching sub-clip.
1 =	3.	The method of claim 1 wherein the appending comprises:
2		substituting data in a first of the two data clips with data in a second of the two data clips.
1	4.	The method of claim 1 wherein the accessing comprises:
2 1		receiving at least one of the plurality of data clips over a communication link.
1	5.	The method of claim 1 wherein the accessing comprises:
2		retrieving at least one of the plurality of data clips from local storage.
1	6.	The method of claim 1 wherein the identifying comprises:
2		performing digital signal processing operations upon the plurality of data clips.
1	7.	A method comprising:
2		accessing a plurality of blocks of data, the data comprising at least one of audio data, video
3	data,	and a computer file;
4		performing digital signal processing operations to identify at least one first sub-clip which is
5	subst	cantially dissimilar in a first of the plurality of blocks than in a second of the plurality of blocks,

and at least one second sub-clip which is substantially similar in at least two of the plurality of

blocks; and

8		responsive to the digital signal processing operations,			
9		copying the at least one second sub-clip to a golden block,			
10		determining which of the first and second of the plurality of blocks has a first sub-clip			
11	that is	superior to the first sub-clip of the other of the first and second of the plurality of blocks, and			
12		copying the superior sub-clip to the golden block.			
1	8.	The method of claim 7 wherein:			
2		the determining comprises identifying a sub-clip containing defective values.			
1	9.	The method of claim 8 wherein:			
2 📮		the identifying the sub-clip containing defective values comprises performing digital signal			
3 1 1 2 1 2 2 3 3 x	proce	ssing operations on sub-clips.			
1	10.	The method of claim 7 wherein:			
2 H		the determining comprises performing a majority operation across corresponding sub-clips of			
3 _±	the plurality of blocks.				
	11.	The method of claim 7 wherein:			
1 E	11.	the identifying the sub-clip containing defective values comprises identifying a null sub-clip			
2	indica	ative of missing values.			
1	12.	An apparatus comprising:			
2		a digital signal processor;			
3		a content storage capable of storing a plurality of blocks of data, the data comprising at least			
4	one of audio data, video data, and a computer file;				
5		a block manager;			
6		a clip overlap comparator; and			
7		a clip compiler.			
1	13.	The apparatus of claim 12 further comprising:			
2		a communication interface capable of receiving blocks of data comprising at least one of			
3	audio	data, video data, and a computer file.			
1	14.	The apparatus of claim 13 further comprising:			

2		a level normalizer.
1	15.	The apparatus of claim 14 further comprising:
2		an equalizer.
1	16.	The apparatus of claim 15 further comprising:
2		a timbre adjuster.
1	17.	A system comprising:
2		a network;
3		a plurality of data sources each including,
4 L		content storage storing at least one block of data, and
5 <u>E</u>		a communication interface coupled to the network;
4 5 5 6 5		at least one of the data sources further including,
7 		a digital signal processor,
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		a block manager,
9 📜		a clip overlap comparator, and
0		a clip compiler.
1	18.	The system of claim 17 wherein the at least one of the data sources further includes:
2		a level normalizer; and
3		an equalizer.
1	19.	The system of claim 18 wherein the at least one of the data sources further includes:
2		a timbre adjuster.
1	20.	A method of restoring a data block, the data block including at least one of audio and video
2	data,	the method comprising:
3		identifying a plurality of data blocks each available from a respective data source coupled to a
4	netwo	ork; and
5		creating a golden block by,
6		analyzing sets of corresponding sub-clips from respective ones of the plurality of data
7	block	s,

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responsive to the analyzing, for a first given set of corresponding sub-clips which the
analysis indicates are substantially similar, generating in the golden block a sub-clip substantially
similar to the first given set,

responsive to the analyzing, for a second given set of corresponding sub-clips which the analysis indicates are not substantially similar, generating in the golden block a sub-clip substantially similar to a sub-set of the second given set.

- 21. The method of claim 20 wherein the analyzing comprises: performing digital signal processing operations.
- 22. The method of claim 20 wherein the generating the sub-clip substantially similar to the sub-set of the second given set comprises:

identifying a majority of the sub-clips in the second given set as being substantially similar to each other; and

generating in the golden block a sub-clip substantially similar to the majority.

23. The method of claim 20 wherein the generating the sub-clip substantially similar to the sub-set of the second given set comprises:

identifying a most common sub-clip in the second given set; and generating in the golden block a sub-clip substantially similar to the most common sub-clip.

24. The method of claim 20 wherein the generating the sub-clip substantially similar to the sub-set of the second given set comprises:

identifying one of the blocks as having a sub-clip which is more similar to other sub-clips in the one block, than corresponding sub-clips in other blocks are to other sub-clips in those respective other blocks; and

generating in the golden block a sub-clip substantially similar to the sub-clip which is more similar.

- 25. The method of claim 20 wherein the generating the sub-clip substantially similar to the sub-set of the second given set comprises:
 - identifying a null sub-clip in one of the blocks; and

4		generating in the golden block a sub-clip substantially similar to a sub-clip in another of the
5	blocks	s.
1	26.	A method of generating a golden master of an audio recording, the method comprising:
2		comparing corresponding instances of sub-clips of the audio recording from a plurality of
3	source	es of instances of the audio recording; and
4		for each respective sub-clip, generating a sub-clip in the golden master substantially similar
5	to at le	east one corresponding instance of the respective sub-clip.
1	27.	The method of claim 26 wherein the generating comprises:
2 🖺		identifying a most common instance of the respective sub-clip; and
3 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		generating the sub-clip in the golden master in response to the most common instance.
1	28.	The method of claim 27 wherein the identifying the most common instance comprises:
2		identifying a majority sub-clip.
1 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	29.	The method of claim 26 wherein:
2		the comparing includes identifying an instance of the sub-clip having lesser audio distortion
3	than a	mother instance of the sub-clip; and
4 🖳		the generating includes creating the sub-clip in the golden master in accordance with the
5	identi	fied instance having lesser audio distortion.
1	30.	The method of claim 29 wherein:
2		the audio distortion includes at least one of click, pop, wow, and flutter.
1	31.	The method of claim 26 further comprising:
2		receiving the plurality of instances of sub-clips from the plurality sources over a
3	comn	nunication interface.
1	32.	The method of claim 31 wherein the receiving comprises:
2		receiving intact instances of the audio recording from the plurality of sources over the
3	comn	nunication interface.
1	33.	The method of claim 26 further comprising:

2		receiving, over a communication interface from the plurality of sources, a plurality of digital
3	signal	processing results representing respective instances of the sub-clips.
1	34.	The method of claim 26 further comprising:
2		distributing the golden master over a communication interface.
1	35.	The method of claim 26 further comprising:
2		altering an audio characteristic of a first sub-clip in the golden master to increase audio
3	simila	rity of the first sub-clip to other sub-clips in the golden master.
1	36.	The method of claim 35 wherein:
2 4 1 1 1 1 2 4 2 4 2 4 2 4 2 4 2 4 2 4		the altering includes at least one of normalizing level, equalizing, and adjusting timbre.
2 1 N	37.	The method of claim 26 further comprising:
2		receiving an identification of the audio recording; and
3		using the identification in requesting the instances of sub-clips from at least one source.
1 4.	38.	The method of claim 37 wherein:
2		the requesting comprises requesting from remote sources over a network.
2	39.	The method of claim 37 wherein:
2		the requesting the instances of sub-clips comprises requesting instances of the audio
3	recor	ding.
1	40.	The method of claim 39 wherein:
2		the requesting comprises requesting from remote sources over a network.
1	41.	The method of claim 36 wherein:
2		the sub-clips further comprise video data; and
3		the golden master further comprises video data.
1	42.	The method of claim 36 further comprising:
2		indicating to external sources at least one known sub-clip and an identification of at least one
3	desir	red sub-clip.
1	43.	The method of claim 42 further comprising:

2		receiving a clip from an external source;			
3		finding the known sub-clip in the clip received from the external source; and			
4		responsive to the finding, obtaining the desired sub-clip from the clip received from the			
5	extern	al source.			
1	44.	An article of manufacture bearing machine-accessible instructions which, when accessed by a			
2	machi	ne, cause the machine to:			
3		perform the method of claim 1.			
1	45.	The article of manufacture of claim 44 further bearing instructions which, when accessed by			
2	the ma	achine, cause the machine to:			
3		perform the method of claim 2.			
2 1 1 2 1 2 3 2 3 3 3 3 3 4 3 4 4 4 4 4 4 4 4 4 4	46.	An article of manufacture bearing machine-accessible instructions which, when accessed by a			
2	machi	achine, cause the machine to:			
3		perform the method of claim 7.			
1	47.	The article of manufacture of claim 46 further bearing instructions which, when accessed by			
2 📮	the ma	achine, cause the machine to:			
3		perform the method of claim 9.			
1	48.	An article of manufacture bearing machine-accessible instructions which, when accessed by a			
2	machi	ne, cause the machine to:			
3		perform the method of claim 20.			
1	49.	The article of manufacture of claim 48 further bearing instructions which, when accessed by			
2	the ma	schine, cause the machine to:			
3		perform the method of claim 24.			
1	50.	An article of manufacture bearing machine-accessible instructions which, when accessed by a			
2	machi	ne, cause the machine to:			
3		perform the method of claim 26.			

the machine, cause the machine to:

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The article of manufacture of claim 50 further bearing instructions which, when accessed by

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perform th	e method	of c	laım	35
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52. A business method comprising:

publishing an identification of a block of data, the data including at least one of audio and video data;

receiving a plurality of instances of the block from a plurality of persons;

creating a golden master of the block by selectively extracting best sub-clips from the plurality of instances of the block; and

rewarding at least one of the persons.

53. The business method of claim 52 wherein the rewarding comprises:

making a financial payment to at least one of the persons, from whose instance of the block at least one sub-clip was extracted to the golden master.

54. The business method of claim 53 wherein:

the financial payment is made to a person from whose block a largest number of sub-clips were extracted to the golden master.